
10. Stealing Gold

Program Name: Stealing.java

Input File: stealing.dat

A thief has broken into a bank where he found N gold bars in the vault, and wants to steal all of them before the police arrive. However he can only carry at most M gold bars at a time since they are so heavy. It takes t seconds to go between his car and the location of the gold bars in the bank. What is the least amount of time in which he can make off with all the gold bars?

Input

The first line has an integer value T with T test cases to follow, one line for each test case.

Each test case has three integers separated by spaces -- N , M , t .

Output

For each test case, print out a line with the minimum number of seconds he needs to escape with all of the gold, starting from the time he picks up the first M ounces.

Constraints

1 $\leq T \leq 10$
1 $\leq t \leq 100$
1 $\leq N \leq 100$
1 $\leq M \leq 100$

Example Input File

```
3
3 2 10
35 68 42
25 70 1
```

Example Output to Screen

```
30
42
1
```